

CLAIMS

1. A toner composition having a post-blended particulate additive which comprises aluminium oxide and aluminium hydroxide.
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2. A toner composition as claimed in claim 1, wherein the total amount of post-blended aluminium oxide and aluminium hydroxide is in the range of from 0.1 to 25% by weight, based on the weight of the toner composition without the additive, advantageously from 1 to 15% by weight, preferably $\leq 10\%$ by weight, for example 1 to 5%, more especially 2 to 4%.
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3. A toner composition as claimed in claim 1 or claim 2, wherein the ratio by weight of aluminium hydroxide to aluminium oxide in the post-blended additive is in the range of from 1 : 99 to 99 : 1, advantageously from 50 : 50 to 99 : 1, preferably from 50 : 50 to 80 : 20 or 90 : 10.
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4. A toner composition as claimed in any one of claims 1 to 3, wherein the particle size of the post-blended aluminium oxide and aluminium oxide is in the range of from 0.1 to 10 microns.
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5. A toner composition as claimed in claim 4, wherein the particle size of the post-blended aluminium oxide is ≤ 0.2 microns.
6. A toner composition as claimed in claim 4 or claim 5, wherein the particle size of the post-blended aluminium hydroxide is from 0.9 to 1.3 microns.
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7. A toner composition as claimed in any one of claims 1 to 6, wherein the post-blended particulate additive further includes a tribo-charging additive which, upon tribo-charging of the toner particulates, shifts the charge distribution in either the positive or negative direction as compared with the charge distribution in the absence of the additive.
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8. A toner composition as claimed in claim 7, wherein the tribo-charging additive comprises a silica, preferably a hydrophobic silica, or a wax-coated silica.

9. A toner composition as claimed in claim 7, wherein the tribo-charging additive comprises a wax.
- 5 10. A toner composition as claimed in any one of claims 7 to 9, wherein the particle size of the tribo-charging additive is in the range of from 0.01 to 10 microns.
11. A toner composition as claimed in any one of claims 7 to 10, wherein the total amount of the post-blended particulate additive is in the range of from 0.1 to 25% by weight, preferably $\leq 10\%$ by weight, for example 1 to 5%, more especially 2 to 4%.
- 10 12. A toner composition as claimed in any one of claims 7 to 11, wherein the tribo-charging additive constitutes from 1 to 99% by weight of the total post-blended particulate additive, preferably from 1 to 70% by weight, for example from 15 to 25% by weight.
- 15 13. A toner composition as claimed in any one of claims 1 to 12, wherein the toner composition comprises particles consisting of a resin, a colouring agent, optionally a charge-control agent, and optionally a wax.
- 20 14. A toner composition as claimed in claim 13, wherein the proportion of resin in the composition is in the range of from 40, 50, 60, 70 or 80 to 99% by weight, based on the total weight of the composition without post-blended additive.
- 25 15. A toner composition as claimed in claim 13 or claim 14, wherein the proportion of colouring agent in the composition is in the range of 1 to 60% by weight, based on the total weight of the composition without post-blended additive.
- 30 16. A toner composition as claimed in any one of claims 13 to 15, wherein the proportion of charge-control agent incorporated in the toner particles is from 0 to 10% by weight, based on the total weight of the composition without post-blended additive.

17. A toner composition as claimed in any one of claims 13 to 16, wherein the proportion of wax incorporated in the toner particles is from 0 to 5% by weight, based on the total weight of the composition without post-blended additive.
- 5 18. A toner composition as claimed in any one of claims 1 to 17, wherein $d(v)_{90}$ for the composition without post-blended additive is ≤ 30 microns or ≤ 20 microns, more especially ≤ 15 microns, for example from 10 to 15 microns.
- 10 19. A toner composition as claimed in any one of claims 1 to 18, wherein the mean particle size of the toner composition without post-blended additive is in the range of from 5 to 8 microns.
20. A developer composition which comprises a toner composition as claimed in any one of claims 1 to 19, in admixture with carrier particles.
- 15 21. A developer composition as claimed in claim 20, wherein the carrier particles are formed of a conductive material.
22. A developer composition as claimed in claim 21, wherein the carrier particles
20 are formed of a ferrite (nickel zinc, copper zinc or manganese) iron powder or magnetite.
23. A developer composition as claimed in any one of claims 20 to 22, wherein $d(v)_{90}$ for the carrier particles is 50, 60, 70, 80, 90 or 100 microns.
- 25 24. Use of a toner composition as claimed in any one of claims 1 to 19, or a developer composition as claimed in any one of claims 20 to 23, in an electrostatic copying or printing process.